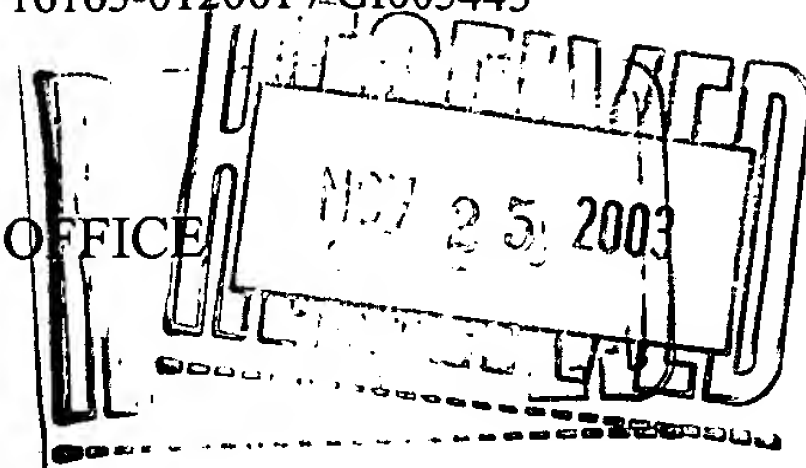




Attorney's Docket No.: 16163-012001 / GI005445



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Steven F. Sukits et al

Art Unit : 2671

Serial No. : 09/854,906

Examiner : Unknown

Filed : May 14, 2001

Title : SOLUTION STRUCTURE OF TNFR-1 DD AND USES THEREOF

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

RECEIVED

NOV 21 2003

Technology Center 2600

INFORMATION DISCLOSURE STATEMENT

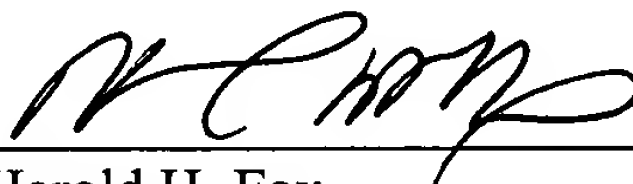
Applicant submits the references listed on the attached form PTO-1449. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This statement is being filed before the receipt of a first Office action on the merits.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 11-20-03


Harold H. Fox
Reg. No. 41,498

Fish & Richardson P.C.
1425 K Street, N.W.
11th Floor
Washington, DC 20005-3500
Telephone: (202) 783-5070
Facsimile: (202) 783-2331

Substitute Form PTO-1449
(Modified)

U.S. Department of Commerce
Patent and Trademark Office

Attorney's Docket No.
16163-012001

Application No.
09/854,906

**Information Disclosure Statement
by Applicant**

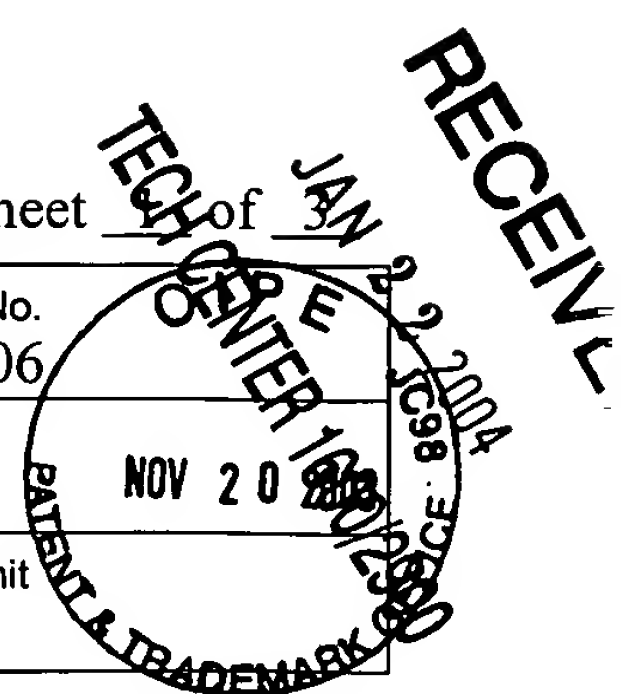
(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
Steven F. Sukits et al.

Filing Date
May 14, 2001

Group Art Unit
2671



U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,674,734	10/07/97	Leder et al.			
	AB	2002/0094540	07/18/02	Tsao et al.			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

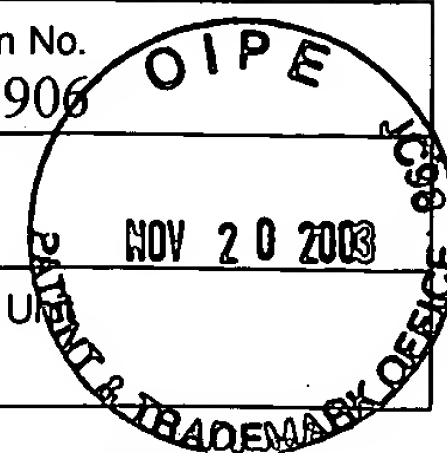
Examiner Initial	Desig. ID	Document
	AQ	Arch et al., "Tumor necrosis factor receptor-associated factors (TRAFs) – a family of adapter proteins that regulates life and death," Genes & Development, 12, 2821-2830, 1988
	AR	Boldin et al., "Self-association of the "Death Domains" of the p55 Tumor Necrosis Factor (TNF) Receptor and Fas/APO1 Prompts Signaling for TNF and Fas/APO1 Effects," The Journal of Biological Chemistry, 270 (1), 387-391, 1995
	AS	Chou et al., "Solution Structure of the RAIDD CARD and Model for CARD/CARD Interaction in Caspase-2 and Caspase-9 Recruitment," Cell, 94, 171-180, 1988
	AT	Day et al., "Solution Structure and mutagenesis of the caspase recruitment domain (CARD) from Apaf-1," Cell Death and Differentiation, 6, 1125-1132, 1999

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

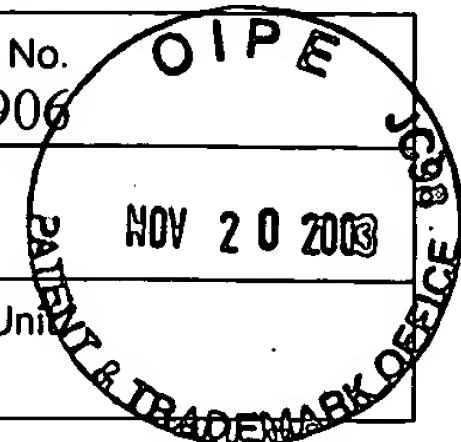
Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 16163-012001	Application No. 09/854,906
		Applicant Steven F. Sukits et al.	
	Filing Date May 14, 2001	Group Art Unit 2671	



Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AU	Duan et al, "RAIDD is a new 'death' adaptor molecule," Nature, 385, 86-89, January 1997
	AV	Eberstadt et al., "NMR structure and mutagenesis of the FADD (Mort1) death-effector domain," Nature, 392, 941-945, 1998
	AW	Eck et al., "Crystallization of Trimeric Recombinant Human Tumor Necrosis Factor (Cachectin)," The Journal of Biological Chemistry, 263 (26), 12816-12819, 1988
	AX	Feinstein et al., "The death domain: a module shared by proteins with diverse cellular functions," Tibs, 20, 342-344, 1995
	AY	Grell et al., "TR60 and TR80 Tumor Necrosis Factor (TNF)-Receptors Can Independently Mediate Cytolysis," Lymphokine and Cytokine Research, 12, 143-148, 1993
	AZ	Hofmann et al., "The CARD domain: a new apoptotic signalling motif," TIBS, 22, 155-156, 1997
	AAA	Hsu et al., "The TNF Receptor 1-Associated Protein TRADD Signals Cell Death and NF- κ B Activation," Cell, 81, 495-504, 1995
	ABB	Hsu et al, "TRADD - TRAF2 and TRADD-FADD Interactions Define Two Distinct TNF Receptor 1 Signal Transduction Pathways," Cell, 84, 299-308, 1996
	ACC	Hsu et al, "TNF-Dependent Recruitment of the Protein Kinase RIP to the TNF Receptor-1 Signaling Complex," Immunity, 4, 387-396, 1996
	ADD	Huang et al, "NMR structure and mutagenesis of the Fas (APO-1/CD95) death domain," Nature, 384, 638-641, 1996
	AEE	Jeong et al., "The Solution Structure of FADD Death Domain," The Journal of Biological Chemistry, 274(23), 16337-16342, 1999
	AFF	Kelliher et al., "The Death Domain Kinase RIP Mediates the TNF-Induced NF - κ B Signal," Immunity, 8, 297-303, 1998
	AGG	Kieser et al, "LMP1 signal transduction differs substantially from TNF receptor 1 signaling in the molecular functions of TRADD and TRAF2," The EMBO Journal, 18(9), 2511-2521, 1999
	AHH	Liepinsh et al., "NMR structure of the death domain of the p75 neurotrophin receptor," The EMBO Journal, 16 (16), 4999-5005, 1997
	AII	McWhirter et al, "Crystallographic analysis of CD40 recognition and signaling by human TRAF2," Proc. Natl. Acad. Sci. USA, 96, 8408-8413, 1999
	AJJ	Nakano et al., "TRAF5, an Activator of NF- κ B and Putative Signal Transducer for the Lymphotoxin- β Receptor," The Journal of Biological Chemistry, 271 (25), 14661-14664, 1996
	AKK	Park et al., "Structural basis for self-association and receptor recognition of human TRAF2," Nature, 398, 533-538, 1999
	ALL	Pullen et al., "CD40-Tumor Necrosis Factor Receptor-Associated Factor (TRAF) Interactions: Regulation of CD40 Signaling through Multiple TRAF Binding Sites and TRAF Hetero-Oligomerization," Biochemistry, 37, 11836-11845, 1998
	AMM	Qin et al., "Structural basis of procaspase-9 recruitment by the apoptotic protease-activating factor 1," Nature, 399, 549-557, 1999
	ANN	Sato et al., "A novel member of the TRAF family of putative signal transducing protein binds to the cytosolic domain of CD40," FEBS Letters, 358, 113-118, 1995
	AOO	Sioud et al., "Design of Nuclease Resistant Protein Kinase C α DNA Enzymes with Potential Therapeutic Application," J. Mol. Biol., 296, 937-947, 2000

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 16163-012001	Application No. 09/854,906
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Steven F. Sukits et al.	
		Filing Date May 14, 2001	Group Art Unit 2671
(37 CFR §1.98(b))			



Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	APP	Stanger et al., "RIP: A Novel Protein Containing a Death Domain That Interacts with Fas/APO-1 (CD95) in Yeast and Causes Cell Death," Cell, 81, 513-523, 1995
	AQQ	Sukits et al., "Solution Structure of the Tumor Necrosis Factor Receptor-1 Death Domain," J. Mol. Biol., 310, 895-906, 2001
	ARR	Tartaglia et al., "Tumor Necrosis Factor's Cytotoxic Activity Is Signaled by the p55 TNF Receptor," Cell, 73, 213-216, 1993
	ASS	Telliez et al., "Mutational Analysis and NMR studies of the Death Domain of the Tumor Necrosis Factor Receptor-1," J. Mol. Biol., 300, 1323-1333, 2000
	ATT	Vandevoorde et al., "Induced Expression of Trimerized Intracellular Domains of the Human Tumor Necrosis Factor (TNF) p55 Receptor Elicits TNF Effects," The Journal of Cell Biology, 137 (7), 1627-1638, 1997
	AUU	Xiao et al., "Three-Dimensional Structure of a Complex between the Death Domains of Pelle and Tube," Cell, 99, 545-555, 1999
	AVV	Zhou et al., "Solution Structure of Apaf-1 CARD and its interaction with caspase-9 CARD: A Structural basis for specific adaptor/caspase interaction," Proc. Natl. Acad. Sci. USA, 96, 11265-11270, 1999
	AWW	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	